SCIENTIFIC BULLETIN

AUTOMOTIVE SERIES

EXPERIMENTAL STUDY OF DESIGN PROCESS TO IDENTIFY THE ITERATIONS SOURCES

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Abstract

This paper presents a methodology to study sources of design iterations in the design process. Iteration is an important characteristic of the design process and it is rather impossible to perform design tasks without iteration especially for the development of new products. Our main objective is to understand how and why iterations appear in the course of the design process. The research method used in this work relies on observation of the design process. A laboratory experiment is used for this purpose. The results could be used to make recommendations for designers to reduce the impact of iterations on the design process.

Keywords

design iteration, design process, design experiment